

Amendments to the Abstract:

Please substitute the following version of the Abstract, with changes shown by strikethrough (for deletions) or underlining (for added matter).

ABSTRACT OF THE DISCLOSURE

An ~~analyser~~ analyzer or spectrophotometer for the detection of material is described with a single source with variable intensity, a single detector having a variable spectral response where the sample is able to be analyzed based on varying the intensity and spectral response. Various methods are described for varying the intensity, and also for varying the spectral response.